

James J. Green

*JP*

*The*  
**BEAVER**  
**PLAN BOOK**













# From the wild Spruce Forest to the walls of your Home



**U**P in northern Ontario, Canada, stand vast forests of the stately spruce, almost untouched by the task they have fulfilled in supplying the basic material for billions of feet of Beaver Wall Board. They are still wild and picturesque, seeming hardly disturbed by the little camps of lumbermen who for years have been busy selecting the finest timbers from their midst and floating them down the river to be made into flawless wall and ceiling panels.

One hundred and eighty square miles of unexcelled fibre material are contained in these holdings of The Beaver Products Company, Inc., insuring for years to come the uniformly superior quality of the only virgin-spruce-fibre wall board on the market.

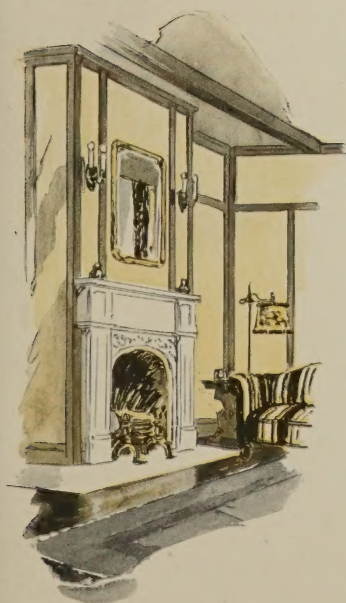
The spruce logs are received by mills down the river where they are sawed into convenient lengths and stripped of their bark. From there they are shipped to our plant at Thorold, Ontario, the largest and most modern of its kind in the world. Then they are shredded into fibres, fibres that are longer, tougher and more sinewy than those of reworked material or of inferior woods.

Twenty-six layers of this virgin-spruce-fibre are rolled and re-rolled through huge laminating machines as long as some city blocks, into one clean, sturdy panel of Beaver Wall Board. The long fibres are thoroughly meshed and bonded with a fire-proofing binder. The surface layers are then specially calendered as the first step in producing the superior Art Mat Surface of *genuine* Beaver Wall Board. This laminating process and those to follow are completed both at Thorold and at our mammoth new plant at Buffalo, N. Y.

Next, every panel passes slowly through a special kiln that drives out the excessive moisture and seasons the board. This process is carefully regulated, even to the extent of considering the atmospheric conditions of that part of the world to which the finished board is to be shipped.

With this completed, each panel is double-sized and primed on both sides to seal it completely against the penetration of moisture and to prepare it for decoration. This is done by our exclusive, patented "Sealtite" process.

Lastly comes the famous RED BEAVER BORDER, printed on all panels of *genuine* Beaver Wall Board before they are bundled and shipped to every part of the world—to beautify the finest of buildings as attractive, durable walls and ceilings. *Look for the RED BEAVER BORDER on every panel of the genuine Beaver Wall Board.*



## BEAVER WALL BOARD



# What is BEAVER Wall Board?

**B**EAVER WALL BOARD is an ideal wall and ceiling material and, as a more perfect form of lumber, it has hundreds of other practical uses as well.

It comes in large, light, flawless panels three-sixteenths of an inch thick, thirty-two or forty-eight inches wide, and in lengths from six to sixteen feet. Every panel is of uniform thickness, surface and strength, without grain; tough; just pliable enough to eliminate breakage under unusual strain; easy to saw cleanly or to fit smoothly to any required form, and with a surface suitable for the finest decoration.

And Beaver Wall Board is unusually durable. It is built of virgin-spruce-fibre through and through. It improves with age. It will never crack or fall.

As an insulator against heat, cold and sound, Beaver Wall Board is exceptionally good. The long spruce fibres, while meshing more thoroughly and building a stronger board, do not "pack" but form millions of microscopic air cells which add immeasurably to the insulating properties of the spruce itself.

Beaver Wall Board is easy to work. It saws with a clean edge and has no grain to split or to limit the shape into which it can be cut. It clinches smoothly and firmly to any surface over which it is nailed. It can be conformed to curved shapes as on coved ceilings and screens.

And no small advantage is its special Art Mat Surface. Many artists are using Beaver Wall Board for their finest paintings. It takes paint smoothly, evenly, economically and without leaving brush marks. The painted surface has that soft, even tone that is so desirable for interior decoration, and its beauty is permanent. No good paint will chip, crack or peel after being applied to Beaver Wall Board. This quality is insured by the specially prepared surface and the famous patented "Sealtite" process of sizing.

Beaver Wall Board in itself is a product perfected through longer years of manufacture and both longer and wider use than that of any other wall board made today. Added to its superior quality is an unusual service that has been developed and is extended by the dealer and the manufacturer to the builder and the owner. This service is free and it insures the finest results in walls and ceilings that are representative of the modern idea of interior decoration.



*Look for the*  
**RED BEAVER BORDER**

## BEAVER WALL BOARD

# *The many practical uses* **of BEAVER** *Wall Board*

The good uses that have developed for Beaver Wall Board are almost innumerable, so handy has it proved in the home, in the store, in the factory and on the farm. While these uses range all the way from the manufacture of novelties to the erecting of walls and ceilings throughout some of the finest buildings, Beaver Wall Board is generally thought of as a wall and ceiling material. And, as a wall and ceiling material, alone, it is used in many different ways, so great is its versatility.

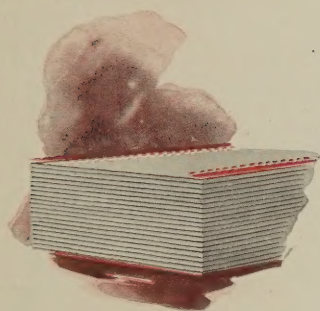
In the home Beaver Wall Board builds walls and ceilings, not all alike, but fitting to the size, proportions, use and furnishings of each room and to meet the requirements of cost and the ideas of design expressed by the owner. They make possible greater individuality for any home interior and for each room it contains.

In the store Beaver Wall Board provides more attractive, sound-proof and durable interiors and every convenience in the way of private offices, booths, partitions and other requirements of the modern shop, more quickly and economically. It increases business and in even more direct ways than by adding to the attractiveness of the store itself. For example, the display man is giving Beaver Wall Board preference over any other material for building business-getting windows and every department is constantly finding new uses for this artistic, handy form of lumber.

Factories now keep Beaver Wall Board in stock. In some it enters into the manufacture of their products. In all it finds ready use for building quiet, clean offices, rest rooms, first aid rooms and dust-proof stockrooms; for erecting departmental partitions and for many other practical improvements.

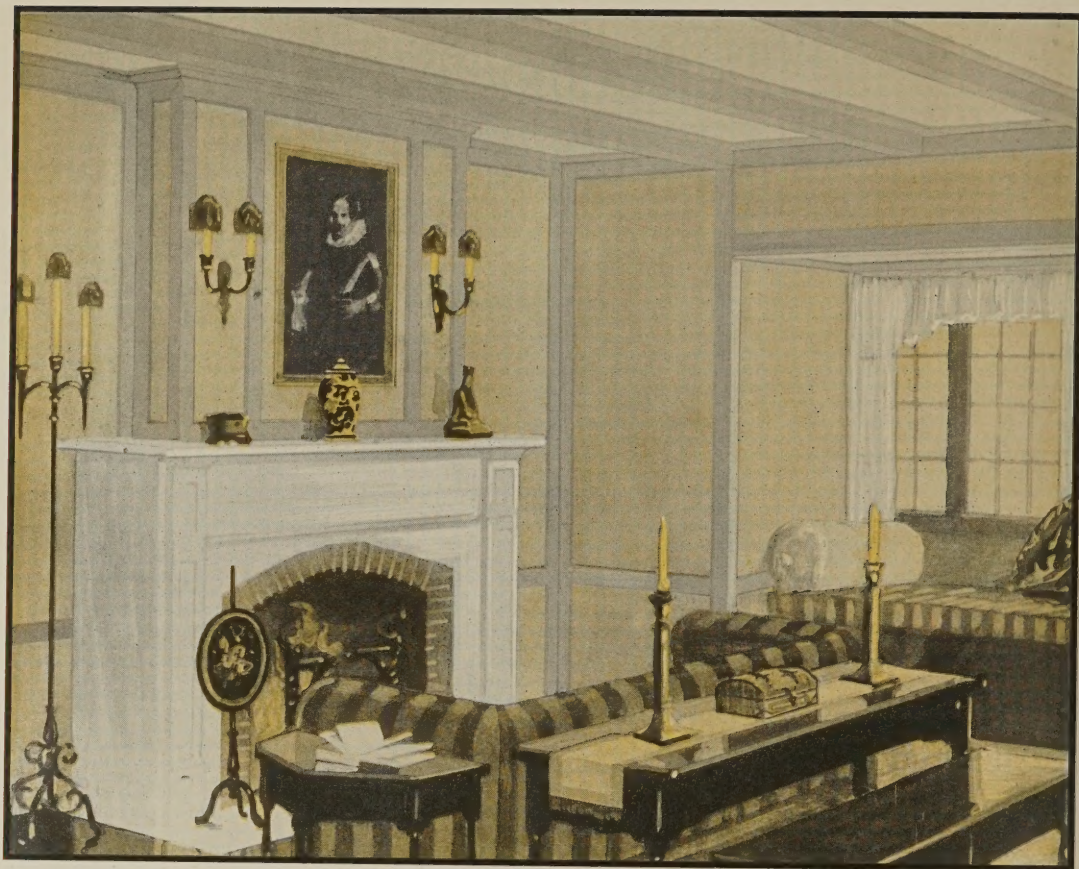
On the farm Beaver Wall Board is in particular demand because of its lightness and durability which make for easy and safe haulage from the lumber yard and because of its easy working qualities. Besides the home uses as in town, there are many more on the farm in other buildings where warmth, sanitation and durability are essential.

On the following pages we have described more in detail the many practical uses for Beaver Wall Board and illustrated a number of interior effects, also indicating the paneling plans used to carry out their respective designs. It will interest you to see just what Beaver Wall Board is adding in the way of more attractive and serviceable interiors and many worthwhile improvements in every type of building. Read them over and let us supplement any suggestions they may give you with the free personal design and decoration service outlined on page 30 of this book.



## BEAVER WALL BOARD



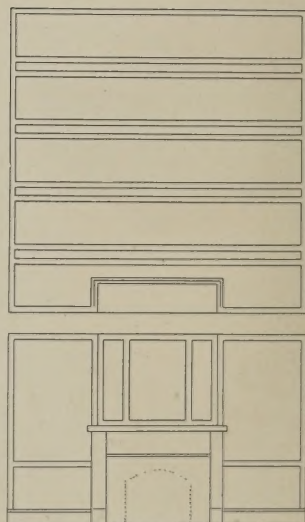


## *In the Home*

In the home Beaver Wall Board probably has its widest use as in the home there is found need for combined attractiveness, versatility and trouble-proof service. With Beaver Wall Board all are assured.

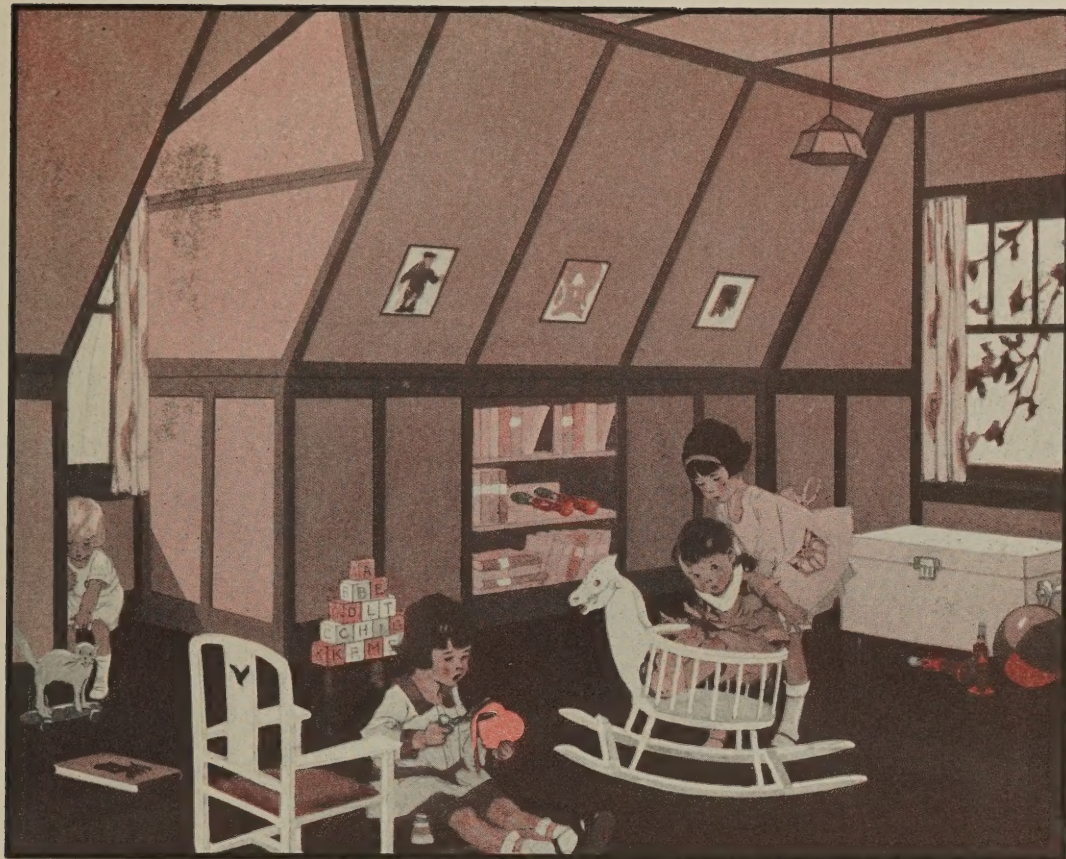
Every room in the home can be made more attractive and comfortable. Above is shown a typical living room. Many more are shown in this book, where Beaver Wall Board has been responsible for the distinctive beauty attained. On pages 16 and 17 the same living room is carried out in three different ways, each to meet different requirements of design and cost. And the same freedom of treatment is possible for every room in the house.

One of the first rooms to be finished with Beaver Wall Board was the dining room. It, longer than any other, had seemed best treated in the paneling design which is now the modern idea of interior decoration for every room and is carried throughout the finest of homes. While simple, tasteful paneling and coloring are always



# BEAVER WALL BOARD





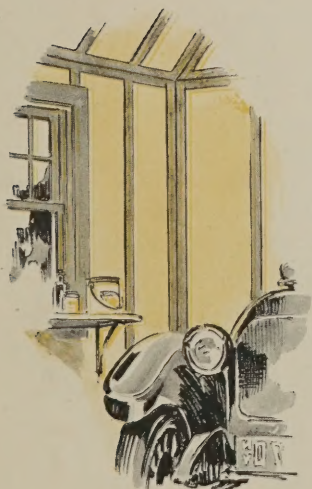
attractive, any degree of elaborateness is ideally attained with Beaver Wall Board. Box beam ceilings, wide decorative mouldings, mottled leather effects on the panels themselves and other refinements give the richness often desired.

The Beaver Wall Board bed room, simply paneled and daintily tinted, is seldom equaled with any other treatment.

A kitchen or a bath room, such as shown on page 11, with a glistening wainscot of the special Beaver Wall Board Tiled\*, is one in which any housewife would love to work.

And so it is with every room in the house. Beaver Wall Board is the quick, inexpensive and durable way—a wonderfully versatile wall and ceiling material.

\*Ask for descriptive folder on Beaver Wall Board Tiled.



*Beaver Wall Board builds  
a comfortable garage*

# BEAVER WALL BOARD





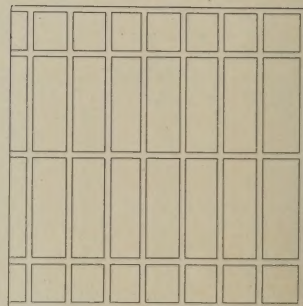
## *In the Store*

The modern store is provided with every arrangement it can afford to insure the comfort of its patrons and to temptingly display its merchandise.

First, it is attractive, and its walls and ceilings play a big part in achieving that air of richness, exclusiveness, smartness or other character which the wise merchant recognizes as an aid in selling his particular wares.

Second, it is equipped with quiet, comfortable offices, customers' rooms, rest rooms or other conveniences for its trade and own personnel. Beaver Wall Board is the one material for building these in quickly and with the assurance of an attractive and durable result.

Third, its windows, show rooms and counters are aided by artistic backgrounds, cut outs, screens and price cards, which are especially well-made with Beaver Wall Board.



# BEAVER WALL BOARD





Beaver Wall Board is preferred for these store uses for several reasons; its superior decorative possibilities, its great durability, its economy, and particularly in the case of remodeling, the unusual simplicity of its application. Hardly any interruption is necessary in putting up a new crack-proof ceiling right over the old one, in building-in offices, in rearranging partitions, or making other repairs with Beaver Wall Board. Business can go on as usual.

And in new work or remodeling, a high class job is always assured. Beaver Wall Board paneling adds interest to the large wall and ceiling—it gets away from the cold, barren effect of other treatments. Its fine surface insures a perfect painted job. It is proof against cracking or falling. It is sound, heat and cold retarding to a remarkable degree. It is certainly the ideal material for scores of uses in the modern store.



# BEAVER WALL BOARD



## *In the Factory*

If there is any one quality that is responsible for the wide use of Beaver Wall Board in the factory it is its durability. Vibrations and jars do not affect it. Once up—it is up to stay. But its sound-proofing, heat and cold insulating and decorative properties are of almost equal importance. These are real advantages in building attractive, quiet and durable offices, rest rooms, cafes and first aid rooms, in providing dust-proof stockrooms and bins and for any number of other inter-factory constructions.

Beaver Wall Board, with even all those advantages would not be such an ideal material for factory use were it not for its great ease of application. It is sawed easily and cleanly. It is a simple matter to nail it in place, and where an artistic effect is desired, to paint it and panel it. Alterations are no bother when Beaver Wall Board is used.



# BEAVER WALL BOARD





And Beaver Wall Board takes up so little space and is so light and durable to handle it can be always at hand in the factory.

Then, besides the many uses for building-in factory conveniences, there are many products that can be both improved and manufactured more economically by using Beaver Wall Board. Beaver Wall Board panels are a perfect form of lumber, of even thickness, with a fine "Sealtite" sized surface, without grain, easily cut and fitted and clean spruce through and through. Perhaps you are manufacturing a product for which you can advantageously use Beaver Wall Board and we would be glad to have our engineers work with you to determine its practicability. At any rate, you can certainly make good use of Beaver Wall Board in the many other ways for which it is proving so practical in factories everywhere.



# BEAVER WALL BOARD

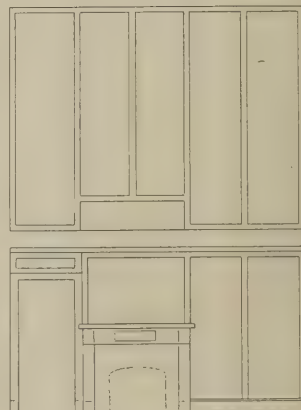


## *On the Farm*

Some of the finest examples of Beaver Wall Board interiors are found in the farm home. With generally more spacious and numerous rooms, the country home responds wonderfully to Beaver Wall Board interior decoration.

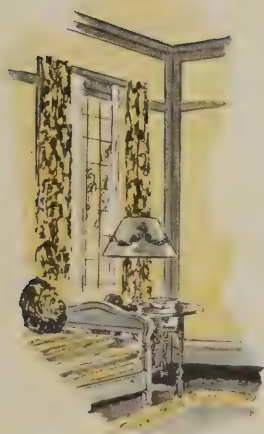
For the new home or for putting new life into the old one, Beaver Wall Board is the logical material, even more for the farmer than for the home owner in town, because of the saving in time and trouble it effects over other wall and ceiling materials. This is because it is so easy to haul from the lumber yard and so easy to apply. Beaver Wall Board is light, takes up but little space, does not break when being hauled over rough roads and is easy to saw, nail, decorate and panel.

Add these advantages to those outlined on other pages of this book which deal specifically with the use of Beaver Wall Board in the home, and you will have reason enough for the popularity of Beaver Wall Board on the farm.



BEAVER WALL BOARD





But Beaver Wall Board serves the farmer in many other practical ways. Consider it not only as a more durable and artistic wall and ceiling material, but as an effective insulator against heat, cold and moisture; a barrier to vermin; a sanitary lining and a most workable form of lumber and you will see why it has so many other good uses on the farm.

Beaver Wall Board will make your garage light and warm. It will provide washable interiors for the dairy, milk house, poultry house, or other buildings, and make them warmer in winter and cooler in summer. It will make easy the building of a handy work shop wherever you want it. It will form a vermin-proof lining in the granary. It will give real protection to your light and power plant. And it will provide many other conveniences, all easy to build and more economical with Beaver Wall Board. It will pay you to keep a bundle handy.

*The wainscot of the kitchen shown above is built of Beaver Wall Board Tiled. Ask for sample piece and folder describing its uses.*

# BEAVER WALL BOARD

# *-and 101 other practical uses*

It is not surprising that so many miscellaneous uses have developed for Beaver Wall Board if you but consider the unusual nature of the product itself.

When you think of it—first as a perfect form of lumber, wider than can be had in natural form, of even thickness, without cracks, knots or grain, free from any tendency to split when nailing, easy to saw cleanly, tough, durable and just pliable enough for perfect fitting—it is small wonder that it comes in so handy.

Then add to this its exceptional sound, heat and cold insulating properties, and the fine decorative quality of its Art Mat Surface, and you have further reason for its versatility.

So it is only a result of natural ingenuity when you see the housewife enthusiastic about some new improvement she has had built in the home with Beaver Wall Board; a store keeper watching the carpenter at work on another of his Beaver Wall Board ideas; the foreman of a shop superintending something a little better in the way of factory convenience or safeguard, or the farmer busy with panels of Beaver Wall Board in his workshop.

In the home you will find in addition to the attractive walls and ceilings of Beaver Wall Board, a handy linen closet built in; a cool fruit cellar; a cupboard under the window seat; a warm little sewing room in the attic; a beautifully decorated screen here and there; a clothes hamper; an old chair with a new back, and prettily painted; a heat-proof pad to cover the dining room table and scores of other attractive and useful things made of Beaver Wall Board.

The store has an inviting appearance with its richly paneled walls and ceilings and its attractive offices alone, but everywhere you see more evidence of Beaver Wall Board being used to advantage.

Look in the windows and besides the striking setting given the merchandise by its paneled background, there are figures and scenic effects beautifully painted on cutouts of Beaver Wall Board. Convenient booths for the customers are located in the different departments. Artistic screens add much to the whole effect. Special-sale posters with unusually appealing designs have been worked up on panels of Beaver Wall



## BEAVER WALL BOARD





Board. In the stockrooms, work rooms and everywhere in the store you find Beaver Wall Board giving some unusual service.

While the greatest amount of Beaver Wall Board used in the factory is probably for building in quiet, attractive offices, for rest rooms, stockrooms and other wall and ceiling uses, it is of considerable importance for the many smaller improvements it effects.

There are the bins themselves in the stock room, more quickly and economically built with Beaver Wall Board. Shields for radiators, steam pipes, running belts and machinery; departmental partitions; protective covering where workmen would otherwise stand on the concrete floor; tool drawers and cupboards on, or under the bench, and many other conveniences are easy to provide with Beaver Wall Board. Some new use is found for it in the factory every day.

Beaver Wall Board is about the handiest material on the farm. In addition to providing more attractive, more durable and warmer interiors for the home, it makes possible many convenient and money-saving improvements throughout the farm buildings. We have spoken about such special advantages of Beaver Wall Board to the farmer as its lightness, durability, easy working qualities and its insulating properties. These apply particularly to the miscellaneous farm uses.

The dairy, lined with Beaver Wall Board and painted white will not only meet the modern requirements of sanitation, but will keep the cold out wonderfully. Vermin will do almost anything rather than work through Beaver Wall Board and for that reason it is used for lining granaries. The separator room or milk-cooling house will be easy to keep clean if lined with washable panels of Beaver Wall Board. Handy bins, boxes and cupboards are simple to build, in fact many a rainy day will be profitably spent if there's a bundle of Beaver Wall Board handy on the farm.

Outside of the many practical uses for Beaver Wall Board in the home, store, factory and on the farm, there are innumerable others. For walls and ceilings in every type of building, of course, for warmer sheathing, for better sound-deadening in floors, for refrigerator lining, for artists' paintings, for moving-picture scenic paintings and structures, for street car and automobile tops and for a hundred and one other practical uses, has Beaver Wall Board proved an ideal material. Certainly in some way it will be of use to you.

# BEAVER WALL BOARD

# How to Plan the Beaver Wall Board Room

It's careful planning that "makes" the Beaver Wall Board room. Being an unusually versatile wall and ceiling material, this is to be expected. The very fact that it is not bound by one fast system of handling, that such a variety of effects are so easily secured, *allows* of thoughtful planning and this is something much to be desired in building the most distinctive and pleasing interiors.

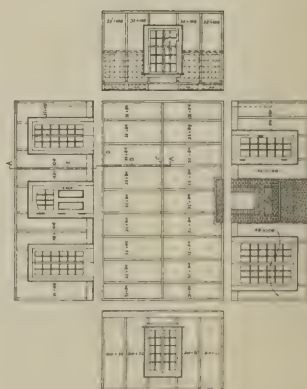
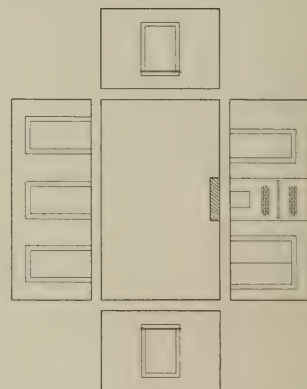
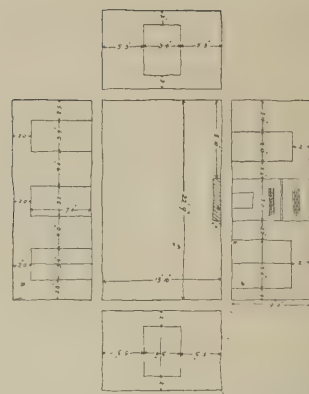
The things which largely determine the finished effect are the paneling arrangement, the style of mouldings and the color scheme employed. These also directly bear on the cost and particularly is this true as regards the selection of wood trim.

So the first step in planning the Beaver Wall Board room is to picture in your mind the general design desired. Throughout this book are illustrated rooms of various panel arrangements in which the different styles of mouldings have been used. These in themselves should serve as helpful suggestions for everything excepting the actual color scheme, and they are supplemented by a full discussion of decoration. But to give you every possible aid, we have established a free design and decoration service at our Buffalo office as explained on page 30 of this book. Our designers will be glad to give your problems individual attention and furnish your carpenter with complete working plans and decorative suggestions, if you desire.

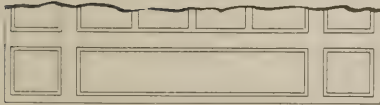
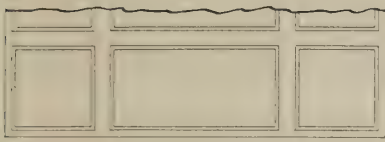
With a definite idea in mind of the finished result, the next step is to lay out the work. Three drawings that are typical are shown on this page. The first is just a rough sketch with dimensions entered. The second is drawn to scale. The third carries out the paneling design and from it can be ordered the right sizes and number of Beaver Wall Board panels required and the correct amount of each type of wood trim for finishing off the job.

Now let us consider the determining factors in selecting the panel arrangement. The simplest is an even division of the walls and ceilings, using either 32" or 48" panels, practically following the spacing of the studding and joists. Using wide wood strips over the panel intersections and securing the right relation of color tones between them and the painted panels always gives a pleasing effect and the most economical one. However, with a little additional expenditure in time and moulding material, greater distinctiveness is secured and a greater variety throughout the building.

As to the walls themselves, there are two main schemes of paneling. One is with the panels running from baseboards to ceiling and the other is with the use of frieze, dado, or both,







constructed with horizontal panels above or below the vertical ones. As a general rule, the second plan should not be used in the low room, under nine feet in height, because its effect is to make any room seem lower. However, where narrow vertical side wall panels are employed to offset that effect, the frieze or dado may be used even though the room is below standard height.

The tendency of those who are not familiar with the value of paneling as a medium of design is to eliminate as much paneling as possible. This is a mistake. It is not always best to use wide panels, especially in the small room. You will find attractive rooms pictured in this book in which panel strips have been placed even between the intersection of the Beaver Wall Board panels.

Numerous variations are made in the frieze design. In one, the frieze continues unbroken around the room. In another, each vertical panel moulding comes up through it to the ceiling. In a third, only those vertical strips nearest the corners extend to the ceiling. Sometimes it is every other one and there are further variations.

Whatever the wall design used, symmetry must be secured. This would be comparatively simple were it not for the doors and windows, though with a little study, balance is easily secured on each wall and for the room as a whole. The usual variation in the different walls can really be used to advantage to secure more interesting interiors. Each wall should be considered first as one unit and the openings as continuing the full height of the room—then divide the intervening spaces as evenly as possible, being careful not to get a noticeable difference between the designs of the different walls. Study the panel designs on this and other pages of this book to see how this is handled.

In paneling the ceiling, the main consideration is to have it conform in simplicity or elaborateness with the walls. It may vary from the simple division of the space to the working out of various symmetrical designs. A border, crossing at the corners, a border with large corner squares, a center square with a border mitred to the corners, and even more elaborate variations are used.

Though a few paneling designs limit the style of wood trim, generally there is a wide variation in the type that can be selected after the paneling design has been determined. There are three main classes of moulding work, the plain, flat strip, the more decorative style in which a panel mould dresses up the flat strip, and the box beam used on some ceilings. These each are varied in turn. Your carpenter can show you some of the different styles and they are also pictured in our booklet, "The Application and Decoration of Beaver Wall Board". On the next two pages you will see one room carried out with the three main moulding treatments and from them as examples you can judge the comparative effects and cost of each.

## BEAVER WALL BOARD

# Simply or Elaborately Designed

## Three treatments of varying costs in which t



Here is shown a room in which the simplest and most economical treatment is carried out. Notice that the panels run from baseboard to ceiling and that the ceiling is simply divided. The mouldings are plain flat strips, except at the juncture of wall and ceiling where the two flat strips often used are replaced by a sprung moulding.

It is attractive nevertheless, as the wood trim is not narrow or flimsy and is nicely finished in ivory to harmonize with the light tones of the walls and ceiling. An equally good result could have been secured with darker tones for both. Even this simplest of treatments for Beaver Wall Board, will enhance the beauty of any room.

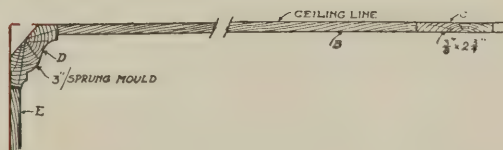
Below is a detailed drawing that shows the wood trim construction, and we have listed the material used.



Where a more decorative expenditure is allowed, the t employed. Here you see a n the use of more elaborate mou design, with the use of plain n slightly greater in cost than

This moulding consists of th side by a panel mould, thinner and projecting beyond the su form what are known as "flat used on the ceilings of low room box beam construction to the

The detailed drawing below ment.



### BEAVER WALL BOARD

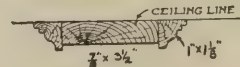
|              |                 |
|--------------|-----------------|
| 18-32"       | 84"-336 sq. ft. |
| 11-32" x 03" | 264 "           |
| 1-48" x 90"  | 32 "            |
| 4-48" x 108" | 144 "           |
| 1-48" x 120" | 40 "            |

816 sq. ft.

### WOOD TRIM

|                                        |                  |
|----------------------------------------|------------------|
| 78-lin. ft.                            | -3" sprung mould |
| 18- $\frac{3}{8}$ " x $2\frac{3}{4}$ " | -9'-0" long      |
| 4- $\frac{3}{8}$ " x $2\frac{3}{4}$ "  | -12'-0" "        |
| 8- $\frac{3}{8}$ " x $2\frac{3}{4}$ "  | -14'-0" "        |

This trim does not include door or window trim nor baseboard.



### WOOD TRIM

|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| 6- $\frac{7}{8}$ " x $3\frac{1}{2}$ "  | -9'                                                 |
| 12- $\frac{7}{8}$ " x $3\frac{1}{2}$ " | -12'                                                |
| 6- $\frac{7}{8}$ " x $3\frac{1}{2}$ "  | -14'                                                |
| 324 lin. ft.                           | 1" x $1\frac{1}{2}$ " cove for ceiling              |
| 76 lin. ft.                            | 3" sprung mould                                     |
| 40 lin. ft.                            | $\frac{3}{4}$ " x $8\frac{1}{2}$ " border mould     |
| 7 pcs.                                 | $\frac{3}{8}$ " x $2\frac{1}{2}$ " -18' wall batten |
| 444 lin. ft.                           | $\frac{5}{8}$ " x $\frac{3}{4}$ " spec. panel mould |

All door and window trim and baseboard should be square edge material, no moulded edges.

ALWAYS DEMAND THE GEN



# the Result is Always Pleasing

*e same amount of Beaver Wall Board is used*



et is desired and a little larger  
treatment shown above is often  
re elaborate panel design and  
ings as well. This same panel  
buildings, would give a job only  
hat of the room to the left.  
plain strip dressed up on either  
an the strip itself on the walls,  
face of the ceiling battens to  
beams." This construction is  
to greater advantage than the  
ght.

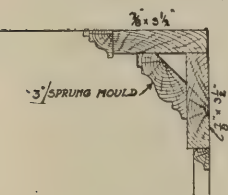
illustrates this moulding treat-



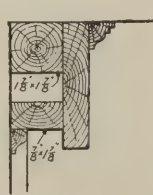
The further addition of box beam ceilings gives the rich, substantial effect, more often desired in the living room, dining room, or library. A room carefully proportioned, with box beam ceilings and artistically decorated walls, leaves little to be desired for the finest home.

The panels in light tones with mouldings painted or enameled in white, ivory or grey, or in dark, plain or mottled walls with dark natural finish oak trim and beams, are only two of the pleasing treatments that can be so well handled with Beaver Wall Board.

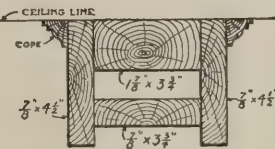
Here too, we have given the moulding and beam construction and listed the materials for the treatment illustrated. There are many styles of box beams but the one below is typical of good construction.



| BEAVER WALL BOARD |        |         |         |
|-------------------|--------|---------|---------|
| 11-32"            | x 84"  | 205 1/4 | sq. ft. |
| 6-32"             | x 96"  | 128     | " "     |
| 7-32"             | x 108" | 168     | " "     |
| 6-48"             | x 84"  | 168     | " "     |
| 2-48"             | x 108" | 72      | " "     |
| 1-48"             | x 144" | 48      | " "     |
| 789 1/2 sq. ft.   |        |         |         |



| BEAVER WALL BOARD |        |         |         |
|-------------------|--------|---------|---------|
| 11-32"            | x 84"  | 205 1/4 | sq. ft. |
| 6-32"             | x 96"  | 128     | " "     |
| 7-32"             | x 108" | 168     | " "     |
| 6-48"             | x 84"  | 168     | " "     |
| 2-48"             | x 108" | 72      | " "     |
| 1-48"             | x 144" | 48      | " "     |
| 789 1/2 sq. ft.   |        |         |         |



| WOOD TRIM     |                 |              |                 |
|---------------|-----------------|--------------|-----------------|
| 40 l. ft.     | 3/4" x 3 1/2"   | border mould |                 |
| 4-            | 5/8" x 2 1/2"   | x 12'        | } wall batten   |
| 2-            | 5/8" x 2 1/2"   | x 14'        |                 |
| 7-            | 5/8" x 2 1/2"   | x 16'        |                 |
| 44 1/2 l. ft. | spec. panel     | mould        |                 |
| 324'          | 1 1/2" x 4 1/2" |              |                 |
| 76 l. ft.     | half-beam       | 124'         | 1 1/2" x 3 1/2" |
| 124 l. ft.    | full-beam       | 76'          | 1 1/2" x 1 1/2" |
|               |                 | 124'         | 1 1/2" x 3 1/2" |
|               |                 | 76'          | 1 1/2" x 1 1/2" |

## UINE BEAVER WALL BOARD

# *Further suggestions that may help you in planning your Beaver Wall Board rooms*

Beaver Wall Board offers such unlimited possibilities for variety that it is impossible to give all of the distinctive treatments and interest-adding refinements that have been worked out by interior decorators and owners during the past sixteen years. But it is possible here, to add suggestions that will apply to the majority of rooms which would seem to require unusual handling, on subjects that have been covered only in a general way by the preceding pages.

Take the matter of getting symmetry in paneling—sometimes the windows and doors are somewhat difficultly located or it is hard to work around a jog in laying out the ceiling, but after all, it is not hard to meet these problems.

Notice the second illustration from the top of the next page. See how the ceiling was handled along the stairway and jog beyond it. In the room at the bottom of this page the French doors were located at an awkward distance from the corner, too far for a single panel and too near for two panels of the width used on the other walls. Notice how nicely the paneling was arranged to keep the general symmetry. See how the ceiling was treated in the fourth illustration from the top of the opposite page. The built-in office cut up the room, as did the pillar in the left foreground. A box beam continued from the corner of the built-in office divided the ceiling for more easy handling. In the rest room at the bottom of the same page, a large ceiling was effectively broken up and the pillars used to advantage by the building-in of wide, false beams.

Each of the illustrations has in it something of interest as regards paneling treatment. Starting at the top of this page, see how well the plate rail, alcove and the simple beams in the ceiling worked out in this dining room.

The high office room below it is a good example of working around irregular openings and relieving unusual room height with a wide frieze. It also shows the richness of mottling the painted walls and the decorative effect of stenciling.

The sun parlor has made a nice use of enameled wood work, narrow paneling and simple stencils.

The display room below it has used the extra wide flat strip very well, though the frieze might better have been left out because of the low ceiling. Notice how the ceiling beam in the foreground was finished off inexpensively.

The last picture on this page shows some fine work on the ceiling beams. See how the lighter cross beams were used.

An effect of narrow paneling and heavy mouldings was secured in the room at the top of page 19 by stenciling and two-tone decoration of the Beaver Wall Board panels.



## BEAVER WALL BOARD

[Page Eighteen]





The second picture, as has been pointed out, shows good handling of a staircase opening. Take note that the ceiling strips do not join the vertical wall strips. This illustrates a principle that if followed prevents "cutting off" of a room by continuation of ceiling strips down the walls.

The third illustration is taken from one of the finest Beaver Wall Board homes and shows what attractive results are obtained with plain wall battens. The strips are wide and heavy and though the grain shows, are handled with an antique finish, dull rubbed. They have just the right contrast with the light tones of the walls. The beams are plain timbers finished in the same way. The wall panels are mottled.

The large office is interestingly finished. The walls and ceilings are light in tone and richly paneled and stenciled. Such an office is light, cheerful and free from the monotony of plain walls—a pleasant place to work.

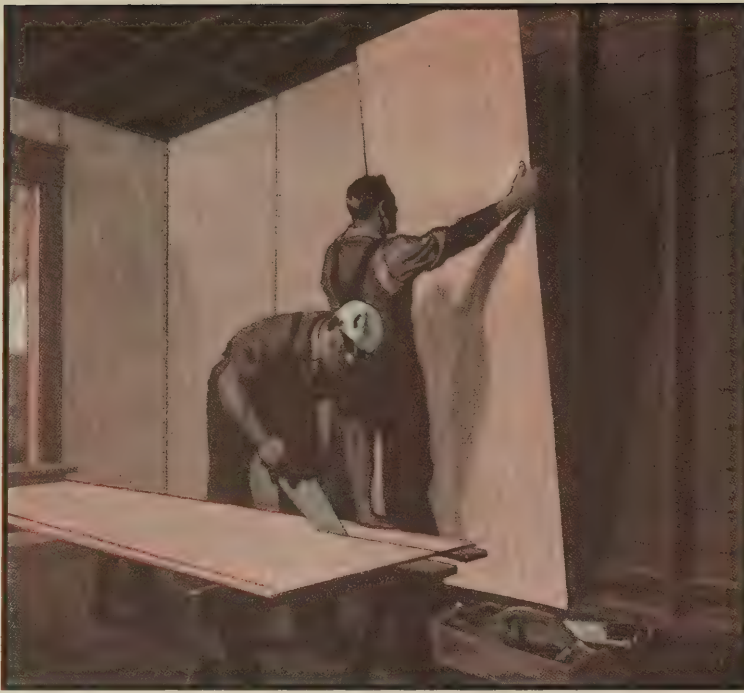
The ceiling of the hotel dining room was given prominence in the next-to-the-last illustration because it shows such an excellent box beam treatment. Notice how the massiveness is relieved by the smaller cross beams. Also see how the narrow paneling below with its heavy panel strips, is used to carry out the general type of construction.

In the last picture, a large room has been most cleverly worked out. Such rooms, partitioned off in the large store or factory are given a home-like atmosphere and comfort with Beaver Wall Board that is difficult to obtain with any other wall and ceiling treatment.

You will see that in all of these rooms, though they are not reproduced in their natural colors, that care is taken to prevent too great contrast between the tones of the mouldings and the Beaver Wall Board panels. Also, you will notice adherence to the principle of having the tones lighter in the frieze and as light, or still lighter, in the ceiling as compared with the vertical panels on the side walls. Flat tones always should be used on Beaver Wall Board excepting in such rooms as for utilitarian purposes are better decorated with enamel finish.

As to actual color combinations, taste varies so greatly that we hesitate to list these. Also, the color scheme of the room furnishings should be considered in determining the one to be used. Every home owner today has a pretty good idea of the most effective ones, has available innumerable suggestions and will usually prefer to carry out his own ideas. We would emphasize our previous suggestions, however, in regard to use of soft tones, avoiding great contrast, etc. Your decorator will be of help to you or, if you will give our designers the information pertaining to your particular rooms as outlined on page 30 of this book, they will be glad to include carefully determined color suggestions in accordance with their wide experience in interior decoration.

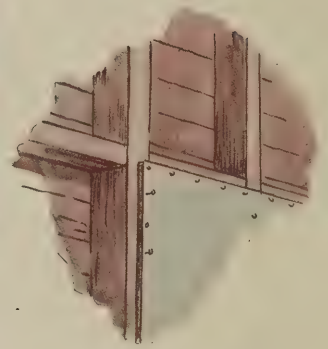
## BEAVER WALL BOARD



## Using Beaver Wall Board in New Construction

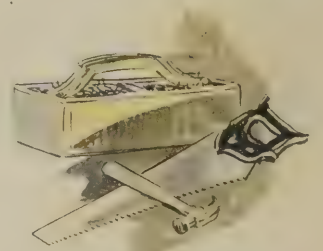
In new frame buildings, Beaver Wall Board is simply nailed to the studding and joists, painted and paneled with decorative strips or mouldings nailed over the intersections. The only preparation necessary is to add "headers", 2" x 4" or 2" x 2" pieces of wood placed between studding and joists to provide nailing surface for the ends of the panels of Beaver Wall Board, as determined by the panel design.

All edges of panels must be nailed, and between the edges to the intermediate studding and joists as well. Use three-penny flat head nails for the edges, placing them about six inches apart and not less than three-eighths of an inch in from the edge. For nailing to the intermediates, use three-penny finishing nails and place them about twelve inches apart, countersinking them slightly. The center nailing should be filled with plaster of paris which is allowed to dry, sanded off, and spotted with shellac before painting the surface. When the decoration is dry, the panel strips are nailed in place. For detailed instructions, ask for a copy of "The Application and Decoration of Beaver Wall Board."



*Always Nail Genuine  
Beaver Wall Board*

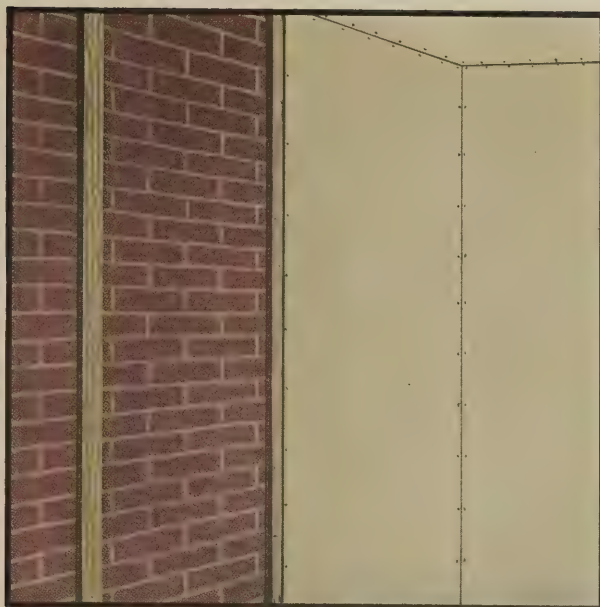
Beaver Wall Board is strong, tough, and just pliable enough to nail smoothly and firmly to the frame work. It works like other forms of lumber. Always apply with nails as instructed and make sure of a permanently satisfactory job.



# BEAVER WALL BOARD



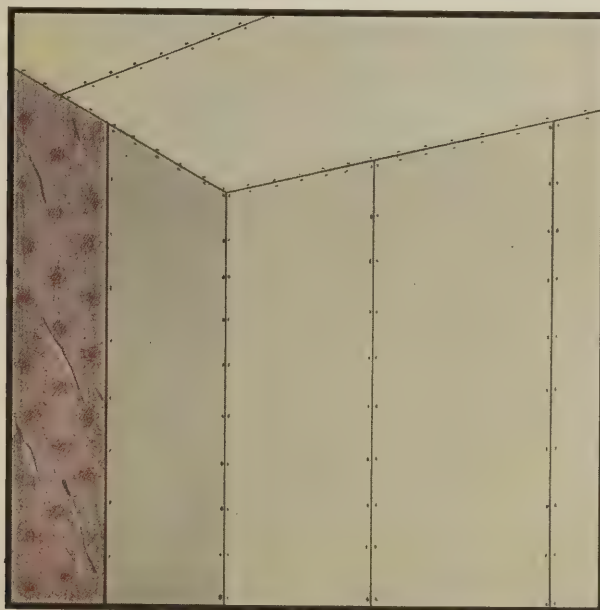
## *Over brick walls*



Beaver Wall Board is just as successfully applied over brick and concrete walls as over other materials. A nailing surface to correspond to the studding, joists, and headers must be provided, however, by fastening wood strips, known

as "Furring" to the wall. These are of  $\frac{7}{8}$ " x 2" material and are either nailed into wood plugs placed in the mortar, or held in place with lag screws. From there on the application is the same as in new frame buildings.

## *Over old plaster or papered walls*



In using Beaver Wall Board for remodeling, it is not necessary to remove the old wall and ceiling materials. Simply even up the surface with scrap pieces of Beaver Wall Board or other material, and nail up the panels, using longer nails

than in new work. Many builders prefer to fur the walls, as is done in applying over brick or concrete. This method is better when the walls and ceilings are quite uneven and saves any bother locating the studs and joists when nailing the panels.

# BEAVER WALL BOARD



## *Decorating Beaver Wall Board*

Decorating Beaver Wall Board is mighty satisfying work, so easily are the finest effects secured. It is already sized by the famous "Seal-tite" process and no priming coat is necessary.

A good quality, flat oil paint will always give the best results. It saves time to give the ceiling panels their first coat before nailing in place, though more care in handling is required by this method. Two coats are sufficient and advisable as compared with single-coat work, though Beaver Wall Board takes paint very economically.

Always avoid too-vivid colors, remembering that a large area comes up stronger than on the small tab of the color card. While mottling is especially easy to do on Beaver Wall Board, it requires considerable skill to get the richest effects and should be done by an experienced decorator.



**BEAVER WALL BOARD**



In finishing the wainscot of Beaver Wall Board Tiled in the kitchen, bath room, restaurant or other room where it is used, a good procedure is as follows: first apply a coat of one half cup pure linseed oil to the quart of flat white paint; second, apply one or two coats of straight flat paint; third, apply one or two coats of half flat paint and half enamel; fourth, apply one or two coats of straight enamel. A very satisfactory job will be secured by using the one coat in each instance where we have specified "one or two", though the extra coat in each case will insure an unusually fine finished effect. *Sand with fine sand paper between each coat.*

## *Special Calendered and Primed Art Mat Surface*

The surface of genuine Beaver Wall Board is carefully calendered to procure the maximum of painting economy and easy spreading without any difficulty in preventing brush marks. The exclusive "Sealtite" process of sizing, given only genuine Beaver Wall Board, further insures saving in paint used and the fine, soft tones for which Beaver Wall Board rooms take first place. This treatment is given both sides and either may be used.



## *Stencils Furnished Free*

Stenciling adds that decorative touch to the walls that many rooms seem to require, and this refinement is being used more and more, along with the paneling scheme of decoration, in the finest of rooms. It is a simple process, too, and it adds variety among the different rooms of the building. So that users of genuine Beaver Wall Board may have the advantage of the most effective designs, we have in stock at Buffalo, a great variety of specially prepared stencils. We will send you a folder from which you can make your selection, or our Department of Design and Decoration will include them in their suggestions for the complete decoration of your rooms.

BEAVER WALL BOARD

# Six Advantages Found Only in Genuine Beaver Wall Board

*Genuine* Beaver Wall Board is preferred today by those who are careful in the selection of wall board and this is explained by the six definite advantages shown on this page and the one following. Each is the result of longer experience in the manufacture of wallboard, our exceptional facilities and strict adherence to a policy that requires only the finest of material and workmanship. The vast holdings of spruce forests in Canada, the great plants and the perfected equipment of The Beaver Products Company, Inc., surpassing the manufacturing facilities of any other fibre wall board in the world, are good evidence of the pains taken to build a superior product. Only by getting the *genuine* can you be assured of these advantages.

## Virgin Spruce Fibre Throughout

*Genuine* Beaver Wall Board is made of virgin spruce fibre through and through; no reworked fibre or fibre of inferior woods go into its composition. An expert can tell this by breaking a piece of Beaver Wall Board and noting that the clean creamy spruce color runs clear through from front to back, the only difference in appearance being due to calendering and sizing the surface layers. New, pure spruce is recognized as superior for wall board manufacture because it combines lightness with strength, and is more heat-, cold- and sound-retarding. Only *genuine* Beaver Wall Board is virgin spruce throughout.



## 26 Layer Construction

Laminating several layers of wood together is widely practiced as a means of overcoming warping and buckling. *Genuine* Beaver Wall Board is made up of 26 layers of virgin spruce fibre pressed and laminated into one perfect panel. This is another reason for its pronounced durability. The fibres mesh thoroughly, making practically a homogeneous panel with the maximum of strength in every direction, without grain or other weakness.



LOOK FOR THE RED BEAVER BORDER



# Patented Sealtite Formula

*Genuine* Beaver Wall Board is rendered practically impervious to moisture and climatic changes by our patented "Sealtite" process of sizing. This treatment penetrates into the fibre and becomes a part of it, securely sealing both sides of each panel against moisture. This process also plays a big part in preparing the special Art Mat Surface for superior decoration.



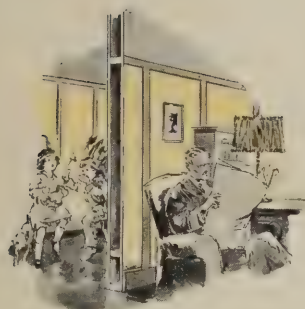
## Special Art Mat Surface

The beautiful Art Mat Surface of *genuine* Beaver Wall Board is produced by specially calendering and priming the surface layers. It offers unlimited opportunity for beautiful decoration. Either side may be painted without priming. The paint will cover perfectly and economically without leaving brush marks.



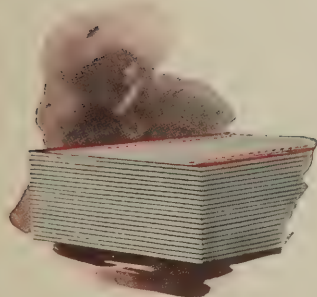
## Dead Air Insulation

Due to the use of virgin spruce fibre, *genuine* Beaver Wall Board is filled with millions of microscopic dead air pockets. Though the long, tough, sinewy fibres mesh more thoroughly and build a stronger board, microscopic examination shows that they have less tendency to "pack" and these minute pockets formed are most effective additions to the insulating properties of the spruce itself. A simple test to prove the unusual ability of *genuine* Beaver Wall Board to keep out heat and cold, is to put your hand on an exposed wall and compare the apparent temperature with that of other materials. And the virgin spruce fibre construction is also responsible for its exceptional sound-retarding properties, a real advantage for any room.



## Kiln Dried and Seasoned

Every panel of *genuine* Beaver Wall Board is kiln dried and seasoned before leaving the factory. Just the right amount of moisture content is retained to conform with the atmospheric conditions of the part of the world to which it is shipped, eliminating practically all expansion and contraction after being nailed in place.



ON EVERY PANEL OF THE GENUINE



## *Fire Resisting Try to burn a magazine*

**G**ENUINE Beaver Wall Board is fire-resisting to a surprising degree. Both its fibre construction and the binder used in building up the panels are responsible for this. Every fibre and every layer are thoroughly penetrated with this fire-proofing binder.

A magazine of good quality is of similar construction. Even though you cannot hold its pages very tightly together, you will find it difficult to get it to more than smoulder in the fire. Then think of the perfect bonding of the layers in Beaver Wall Board under enormous pressure and with a fire-proofing material, and you can readily account for its fire-retarding properties.

Many instances have come to our attention where Beaver Wall Board has proved very fire-resisting, in buildings and in lumber warehouses. One, rather amusing, was where a Moving Picture Company built a village in which a large amount of Beaver Wall Board was used and in which one scene was spoiled because the Beaver Wall Board refused to contribute to the conflagration called for in the story. This fire-resisting quality of Beaver Wall Board is another advantage of the *genuine*.

BEAVER WALL BOARD

[Page Twenty-six]



# *All Wall Board is not Genuine "Beaver"*

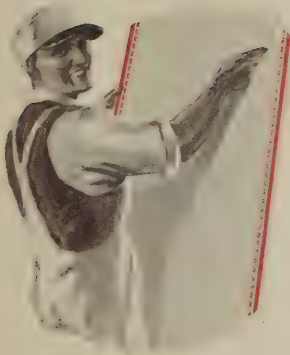
*The Genuine is Plainly Marked  
with the Red Beaver Border*

**T**HERE is only one *genuine* Beaver Wall Board; only one built of virgin spruce fibre through and through; only one sized by the patented "Sealtite" process; only one with the special Art Mat Surface; only one with all of the advantages outlined in this book; and only one marked with the famous RED BEAVER BORDER.

*Genuine* Beaver Wall Board was the first fibre wall board. It originated and developed the use of wall board until it has become one of the building materials in greatest demand. For sixteen years it has benefited from a wider use and developed new improvements continually. Today it stands alone in having an unlimited source of the finest fibre material, in the perfection and capacity of its manufacturing equipment and in the service rendered by its organization.

Making sure that you get the *genuine* Beaver Wall Board means much to you. It insures that built-in quality which results in easier working, finer decoration and greater economy expressed in years longer trouble-proof service. It means ready and helpful service, too, from your dealer and your builder, and the most personal co-operation from the manufacturer in planning and carrying out the work.

But all wall board is not *genuine* "Beaver". There is one sure way to tell the *genuine* Beaver Wall Board—look for the *Red Beaver Border* on every panel. It is there for your protection. It is your guarantee of satisfaction.



## LOOK FOR THE RED BEAVER BORDER

# Proof of Beaver Wall Board Durability

After all, the best proof of durability is that of actual performance.

While certain laboratory tests are essential to the close supervision of quality production, unless *all* such tests are considered together and with records of actual use to determine their relative importance, they seldom mean anything in foretelling the service that will be rendered over a period of years.

It is the test of actual use that counts. On this test, for sixteen years, Beaver Wall Board has built its reputation. There are thousands of Beaver Wall Board rooms, millions of square feet of Beaver Wall Board, in every part of the country, that constitute indisputable proof of Beaver Wall Board durability. Many of these rooms have walls and ceilings of the first Beaver Wall Board made and are still in perfect condition. And Beaver Wall Board has yearly shown new perfections.

On this page and the next one, are reproduced photographs of Beaver Wall Board rooms that have been in service for many years. A recent investigation shows them all as attractive and serviceable as ever. Read what some of their owners say to bear out Beaver Wall Board's record of durability.

In our files is a post card, stamped by the Post Office—"Buffalo, N. Y. Nov. 15 7-30P 1912", and addressed to E. M. Houghtaling, Ulster County, Kingston, N. Y. It acknowledges an order for Beaver Wall Board, shipped direct from the mill before the day when country-wide distribution made possible service through dealers exclusively. Mr. Houghtaling has returned the card to us with the following notation written on it: "As good now as the day it was bought. Signed: E. M. Houghtaling, Jan. 15, 1923."

Mr. Houghtaling wrote us enthusiastically at that time regarding the ease with which his rooms were renewed and the fine effects secured. We now have a letter from him dated January 15, 1923, in which he says: "The four rooms I have completed in 1912 have never been repaired since and have not been repainted. They are warm, comfortable and the tasty finished effect of the panel arrangement is admired by all callers."

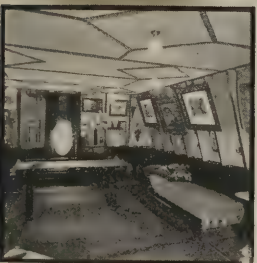
The second and third illustrations shown on this page are of rooms referred to by Mr. Houghtaling.

"I take pleasure in telling you of the service Beaver Wall Board has given on the sidewalls and ceilings of the Midland Country Club House," says A. W. Berg, Secy., Kewanee, Ill. "Although the building was finished under the most severe weather conditions of dampness



## FOR PERMANENT RESULTS





and cold and the Beaver Wall Board put on before the heating plant was installed, the walls and ceilings have never given a bit of trouble. During the eleven years in which it has been subjected to the heat and dampness of summer and the intense cold of winter, since the Club House is practically without protection, the interior of the building has not even had to be redecorated. There are no cracks anywhere and never has the Beaver Wall Board shown signs of warping. Many visitors have remarked on the handsome finish of the interior of the club and all the members are enthusiastic over the wonderfully permanent results obtained with Beaver Wall Board. (Signed) Sincerely yours, A. W. Berg, Secretary, Midland Club."

On December 6, 1913, Mr. Jos. Stiner, of Clifton, N. J. wrote us: "I am having Belden, a builder of Clifton, build for me a very handsome bungalow in Washington Ave., opposite his own. Beaver (Wall) Board is used throughout. It is clean, warm and sanitary and gives the rooms a beautiful appearance.—It gives to the interior of the house a handsome, solid and substantial appearance. Very truly yours, (Signed) Jos. Stiner."

On January 17th, 1923, an investigator called at the Stiner home and Mrs. Stiner made the following statement: "My Beaver Wall Boarded home has proved so warm and restful that I am determined never to use any other kind of material. The artistic finished effects are so pleasing and rich that they have drawn enthusiastic comments from friends and neighbors who have visited me.

"My home has not needed constant repairing and decorating and I am always talking Beaver Wall Board for real satisfaction. (Signed) Mrs. J. Stiner."

At the top of this page and the one to the left are two rooms built by Mr. Belden over ten years ago.

Mr. Lewis H. Miller, Katona, N. Y. writes us on Jan. 16, 1923: "About nine years ago I Beaver Wall Boarded my home throughout. Since that time I have had to make no repairs and the work has been entirely satisfactory. This is the second home in which I have used Beaver Wall Board and the results accomplished have been artistic and economical in that once put up it stays—no cracked and unsightly walls. (Signed) Lewis H. Miller."

The second illustration from the top of this page is of one of the rooms in Mr. Miller's home, finished with Beaver Wall Board and still in perfect condition.

And such cases are innumerable. When you buy *genuine* Beaver Wall Board you are assured not only of more attractive and comfortable rooms, but of a trouble-proof service whose duration is dependent only on the life of the building itself. The tests of actual use are the proof of Beaver Wall Board durability.

LOOK FOR THE RED BEAVER BORDER

# Call on our Department of Design and Decoration

While Beaver Wall Board is one of the simplest of materials to apply, there is none that will better repay thought in designing or care in execution of the work. Owners, builders and decorators, experienced with Beaver Wall Board, will tell you that while no Beaver Wall Board room is ordinary—a little added attention to the planning and a little skill used in the actual application are all that are needed to secure exceptionally fine results.

Therefore, to insure to all users of *genuine* Beaver Wall Board realization of its full possibilities we are extending unusual co-operation to builders and owners. The book you are reading will be of help to you in planning your Beaver Wall Board rooms. Our book, "The Application and Decoration of Beaver Wall Board" gives the practices of the most successful builders and decorators and it is furnished free upon request.

But we have gone still further. At considerable expense we are maintaining our "Department of Design and Decoration", whose services are free to builders and owners who use *genuine* Beaver Wall Board. This department of experienced designers will give you the benefit of individual attention to each and every room with careful consideration of the amount you wish to expend in finishing it, of its use, of its furnishings and of any particular factors what may influence its design and decoration. They have planned thousands of the finest Beaver Wall Board interiors. Their service will please you and it's free.

So, if you have not available the design service that you wish in planning your Beaver Wall Board work, write our Department of Design and Decoration, giving them full particulars regarding the job. Our designers will welcome every detail you can furnish.

First, they will need a plan or a sketch giving the dimensions of the rooms and location of openings. Then, they should know the use of the room, the predominating color of its furnishings, the decorative scheme and use of adjoining rooms and anything else you may feel will influence their suggestions. If you will read again pages fourteen to nineteen inclusive you will see just about what they will need to render you their best possible help, and of course your own suggestions will be greatly appreciated. Address your requests to, The Beaver Products Company, Inc., Military Road, Buffalo, N. Y., Attention of Department of Design and Decoration.



## BEAVER WALL BOARD





## *See your local carpenter and dealer in lumber and builders supplies*

**G**ENUINE Beaver Wall Board is carried in stock by leading lumber and building supply dealers everywhere and good carpenters apply it. If you do not know the name of a Beaver Wall Board dealer in your locality, write us, or better still, send along the information required by our Department of Design and Decoration and our designers will include the dealer's name with their plans and suggestions for doing the work.

With this, your carpenter can help you in ordering just the material you will need, or you can take the plans and material list to the dealer direct. You will get clean, well kept stock and prompt delivery. The dealer in *genuine* Beaver Wall Board you will find ready to extend every form of co-operation and able to supply you with attractive folders on the different uses of Beaver Wall Board, and samples if you wish them.

The carpenter, too, will be glad to help you in every way. He likes to apply *genuine* Beaver Wall Board, knowing that it gives him every opportunity to get results in keeping with his reputation for good workmanship.

And feel free to write us at any time.

**THE BEAVER PRODUCTS COMPANY, INC.**

*Administration Offices*

BUFFALO, N. Y.

THOROLD, ONT.

LONDON, ENG.

**LOOK FOR THE RED BEAVER BORDER**

# What you should know about

## BEAVER VULCANITE ROOFING

Vulcanite Roofing has been on the market for years and has always been a standard of quality. There are thousands of roofs that have given such long, trouble-proof service, Vulcanite has well earned its reputation as an unusually durable roofing. This has come about both through the exceptionally high grades of felt and asphalt used in its manufacture and the famous Glendinning process of saturation used in making every Vulcanite shingle and piece of roll roofing.

And there is a Beaver Vulcanite Roofing for every building need—smooth and slate surfaced roofs, and attractive slate surfaced shingles that have unusual advantages because of their patented designs. All are unusually durable, proof against storm and freezing, unharmed by the hottest sun and extremely fire-resisting. Here you see illustrated the three patented Vulcanite shingles, each noted for its exclusive advantages.

The first one is the Vulcanite Hexagon Slab Shingle. It is finished in attractive red or green crushed slate. It builds a beautiful, tile-like pattern. It has a wide over-lap and gives double thickness at every point. It is especially good for laying over the old shingles. It will save you money in laying, build a fine looking roof and outwear by years the ordinary kind.

Below the Hexagon Slab, is pictured the Vulcanite Doubletite Slab Shingle, the only shingle combining its attractive roof pattern with *double thickness at every point*. Its patented design, with the triangular tabs directly above the slots, plus its extra depth, mean extra protection and longer life. The Doubletite is surfaced with red, green or grey-black, permanent color crushed slate and makes a beautiful roof for any home.

The Vulcanite Self Spacing Shingle is different than any other individual shingle made. Its patented shoulder saves hours in laying the average roof and tightly seals the slots. It gives double thickness everywhere and leaves no room for rain or snow to blow up onto the roof boards. It comes surfaced in red, green or grey-black natural color, non-fading crushed slate.

Let us send you samples and attractive folders that explain in detail the advantages of Beaver Vulcanite Roofings.

### THE BEAVER PRODUCTS COMPANY, INC.

*Administration Offices*

BUFFALO, N. Y.

THOROLD, ONT.

LONDON, ENG.

*Manufacturers of*

BEAVER WALL BOARD  
VULCANITE ROOFING

BEAVER GYPSUM WALL  
and GYPSUM PRODUCTS















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and GYPSUM PRODUCTS**

